



PTO/SB/08A (10-01)

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<b>Substitute for form PTO/AIA/PTO</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/963,920		
		Filing Date	September 26, 2001		
		First Named Inventor	Barany et al.		
		Art Unit	1639		
		Examiner Name	P.Ponnaluri		
Sheet	1	of	1	Attorney Docket Number	19603/3356 (CRF D-1595F)

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Document Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
PP	1	US-5,700,637	12/23/1997	Southern	
PP	2	US-5,429,807	07/04/1995	Matson et al.	
PP	3	US-5,445,934	08/29/1995	Fodor et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
PP	4	WO 91/17239	11/14/1991	WIPO		
	5	WO 93/20227	10/14/1993	WIPO		
	6	WO 96/15271	05/23/1996	WIPO		
	7	WO 92/10558	06/25/1992	WIPO		
	8	WO 93/22680	11/11/1993	WIPO		
	9	WO 93/04199	03/04/1993	WIPO		
	10	WO 94/01446	01/20/1994	WIPO		
	11	EP 0 487 104 A1	05/27/1992	Europe		
	12	WO 93/09250	05/13/1993	WIPO		
	13	WO 95/00533	01/05/1005	WIPO		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					T <sup>2</sup>
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
PP	14	Abravaya et al., "Detection of Point Mutations With a Modified Ligase Chain Reaction (Gap-LCR)," <i>Nucleic Acids Research</i> , 23(4):675-682 (1995)			
PP	15	Schena et al., "Quantitative Monitoring of Gene Expression Patterns with a Complementary DNA Microarray," <i>Science</i> 270:467-470 (1995)			

Examiner Signature	P. Ponnaluri	Date Considered	10/26/04
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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i> <b>APR 23 2004</b> PATENT & TRADEMARK OFFICE		Application Number	09/963,920
		Filing Date	September 26, 2001
		First Named Inventor	Barany et al.
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		Attorney Docket Number	19603/3356 (CRF D-1595F)
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		Number - Kind Code <sup>2</sup> (if known)			
PP ↓ ✓	1	US-4,988,617	01/29/1991	Landegren et al.	
	2	US-5,516,635	02/16/1996	Ekins et al.	
	3	US-5,858,659	01/12/1999	Sapolsky et al.	
	4	US-6,143,495	11/07/2000	Lizardi et al.	
	5	US-6,506,594 B1	01/14/2003	Barany et al.	
	6	US-5,527,681	06/18/1996	Holmes	
	7	US-5,510,270	04/23/1996	Fodor et al.	
	8	US-5,594,121	01/14/1997	Froehler	
	9	US-5,723,320	03/03/1998	Dehlinger	
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		Country Code <sup>3</sup> Number <sup>2</sup> Kind Code <sup>2</sup> (if known)				
PP ↓ ✓	10	WO 92/10566	06/25/1992	WIPO		
	11	WO 98/03673 A	01/29/1998	WIPO		
	12	WO 00/56927 A3	09/28/2000	WIPO		

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		Group Art Unit	1639
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		Attorney Docket Number	19603/3356 (CRF D-1595F)
Sheet	2	of	4

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PP	13	Belgrader et al., "A Multiplex PCR-Ligase Detection Reaction Assay for Human Identity Testing," <u>Genome Science &amp; Tech.</u> 1:77-87 (1996)	
	14	Chee et al., "Accessing Genetic Information with High-Density DNA Arrays," <u>Science</u> 274:610-614 (1996)	
	15	Day et al., "Identification of Non-Amplifying CYP21 Genes When Using PCR-Based Diagnosis of 21-Hydroxylase Deficiency in Congenital Adrenal Hyperplasia (CAH) Affected Pedigrees," <u>Hum. Mol. Genet.</u> 5(12):2039-2048 (1996)	
	16	Drobyshev et al., "Sequence Analysis by Hybridization with Oligonucleotide Microchip: Identification of $\beta$ -Thalassemia Mutations," <u>Gene</u> 188:45-52 (1997)	
	17	Fodor et al., "Multiplexed Biochemical Assays with Biological Chips," <u>Nature</u> 364:555-556 (1993)	
	18	Gerry et al., "Universal DNA Microarray Method for Multiplex Detection of Low Abundance Point Mutations," <u>J. Mol. Biol.</u> 292:251-262 (1999)	
	19	Hacia et al., "Detection of Heterozygous Mutations in <i>BRCA1</i> Using High Density Oligonucleotide Arrays and Two-Colour Fluorescence Analysis," <u>Nat. Genet.</u> 14:441-447 (1996)	
	20	Heller et al., "Discovery and Analysis of Inflammatory Disease-Related Genes Using cDNA Microarrays," <u>Proc. Nat'l. Acad. Sci. USA</u> 94:2150-2155 (1997)	
	21	Khanna et al., "Multiplex PCR/LDR for Detection of <i>K-ras</i> Mutations in Primary Colon Tumors," <u>Oncogene</u> 18:27-38 (1999)	
	22	Khrapko et al., "A Method for DNA Sequencing by Hybridization with Oligonucleotide Matrix," <u>J. DNA Seq. Map.</u> 1:375-388 (1991)	
✓	23	Kozal et al., "Extensive Polymorphisms Observed in HIV-1 Clade B Protease Gene Using High-Density Oligonucleotide Arrays," <u>Nature Medicine</u> 2:753-759 (1996)	

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PP	24	R.J. Lipshutz et al., "Using Oligonucleotide Probe Arrays To Assess Genetic Diversity," <u>Biotechniques</u> 19:442-447 (1995)	
	25	Lysov et al., "DNA Sequencing by Hybridization to Oligonucleotide Matrix. Calculation of Continuous Stacking Hybridization Efficiency," <u>Journal of Biomolecular Structure &amp; Dynamics</u> 11(4):797-812 (1994)	
	26	Maskos et al., "A Study of Oligonucleotide Reassociation Using Large Arrays of Oligonucleotides Synthesised on a Glass Support," <u>Nucleic Acids Res.</u> 21:4663-4669 (1993)	
	27	Maskos et al., "A Novel Method for the Analysis of Multiple Sequence Variants by Hybridization to Oligonucleotides," <u>Nucleic Acids Res.</u> 21:2267-2268 (1993)	
	28	Nikiforov et al., "Genetic Bit Analysis: A Solid Phase Method for Typing Single Nucleotide Polymorphisms," <u>Nucleic Acids Res.</u> 22(20):4167-4175 (1994)	
	29	Nonradioactive <i>in situ</i> Hybridization Manual from Boehringer Mannheim Biochemicals, page 1, 1992	
	30	Nucleic Acid Hybridization, A Practical Approach, page 6, edited by Hames & Higgins, 1985, Published by IRL Press Limited, P.O. Box 1, Eynsham, Oxford OX 8 1JJ, England.	
	31	Parinov et al., "DNA Sequencing by Hybridization to Microchip Octa- and Decanucleotides Extended by Stacked Pentanucleotides," <u>Nucleic Acids Res.</u> 24:2998-3004 (1996)	
	32	Reed et al., "Chromosome-Specific Microsatellite Sets for Fluorescence-Based, Semi-Automated Genome Mapping," <u>Nature Genetics</u> 7:390-395 (1994)	
	33	Schena et al., "Parallel Human Genome Analysis: Microarray-Based Expression Monitoring of 1000 Genes," <u>Proc. Natl. Acad. Sci. USA</u> 93:10614-10619 (1996)	
	34	Shalon et al., "A DNA Microarray System for Analyzing Complex DNA Samples Using Two-Color Fluorescent Probe Hybridization," <u>Genome Res.</u> 6:639-645 (1996)	

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PP	35	Southern et al., "Analyzing and Comparing Nucleic Acid Sequences by Hybridization to Arrays of Oligonucleotides: Evaluation using Experimental Models," <u>Genomics</u> 13:1008-1017 (1992)	
	36	Timofeev et al., "Regioselective Immobilization of Short Oligonucleotides to Acrylic Copolymer Gels," <u>Nucleic Acids Res.</u> 24:3142-3148 (1996)	
	37	Tong et al., "Biochemical Properties of a High Fidelity DNA Ligase from <i>Thermus</i> species AK16D," <u>Nucleic Acids Research</u> 27(3):788-794 (1999)	
	38	Van Ness et al., "A Versatile Solid Support System for Oligodeoxynucleotide Probe-based Hybridization Assays," <u>Nucleic Acids Res.</u> 19:3345-3350 (1991)	
	39	Weber et al., "Abundant Class of Human DNA Polymorphisms Which Can Be Typed Using the Polymerase Chain Reaction,"	
	40	Yershov et al., "DNA Analysis and Diagnostics on Oligonucleotide Microchips," <u>Proc. Natl. Acad. Sci. USA</u> 93:4913-4918 (1996)	
	41	Zhang et al., "Single-base Mutational Analysis of Cancer and Genetic Diseases Using Membrane Bound Modified Oligonucleotides," <u>Nucleic Acids Res.</u> 19:3929-3933 (1991)	
	42	Janssen et al., "Evaluation of the DNA Fingerprinting Method AFLP as a New Tool in Bacterial Taxonomy," <u>Microbiology</u> 142:1881-1893 (1996)	

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